

## CLAIMS

1. A cubic boron nitride (cBN) sintered body, which contains cubic boron nitride particles and a bonding material used for bonding the cBN particles to one another, comprising:

cBN particles in a range from 70 vol% to 98 vol%; and  
a residual bonding material constituted by a Co compound,  
an Al compound and WC and a solid solution of these,

wherein the cBN particles in the sintered body contain 0.03 wt% or less of Mg and 0.001 wt% or more to 0.05 wt% or less of Li.

2. A cubic boron nitride (cBN) sintered body, which contains cubic boron nitride particles and a bonding material used for bonding the cBN particles to one another, comprising:

cBN particles in a range from 70 vol% to 98 vol%; and  
a residual bonding material constituted by an Al compound,  
wherein the cBN particles in the sintered body contain 0.03 wt% or less of Mg and 0.001 wt% or more to 0.05 wt% or less of Li.

3. The cubic boron nitride sintered body according to claim 1 or claim 2, wherein the cBN particles in the sintered body contains 0.001 wt% or more to 0.3 wt% or less in total of at least one or more elements selected from the group consisting

of Ca, Sr, Ba and Be.

4. The cubic boron nitride sintered body according to claim 1 or claim 2, wherein the cBN particles in the sintered body contains 0.001 wt% or more to 0.5 wt% or less in total of at least one or more elements selected from the group consisting of Si, Ga and La.

5. The cubic boron nitride sintered body according to claim 1 or claim 2, wherein the cBN particles in the sintered body contains 0.01 wt% or less of Mg and 0.01 % or more to 0.03 wt% or less of Li.

6. The cubic boron nitride sintered body according to claim 1 or claim 2, wherein the sintered body contains 0.001 wt% or more to 1.5 wt% or less in the sintered body in total of at least one or more elements selected from the group consisting of Ti, V, Cr, Zr, Nb, Mo, Ta, Hf, Fe, Ni, Cu and Si.